



PATENT

Attorney Docket No. 1921.0014C

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of Linlin Chen et al.

Serial No.: 09/931,268

Group/Art Unit: 1743

Filed: August 16, 2001

For: Automated Chemical Management System Executing Improved Electrolyte Analysis Method

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JUL 23 2003
GROUP 1700

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97(b)

In accordance with the duty of disclosure set forth in 37 C.F.R. §1.56,
Applicant(s) hereby submits the following information in conformance with 37 C.F.R.
§§1.97 and 1.98.

- ☒ Pursuant to 37 C.F.R. §1.98, a copy of each document cited in the attached Form PTO/SB/08 is enclosed.
- ☐ No copies of the publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98(d) because the publications were previously cited by or submitted to the Office in prior Application Serial No. _____ to which the above-identified application claims priority under 35 U.S.C. §120.
- ☐ Publication(s) _____ listed on the attached Form PTO/SB/08A were cited in a foreign search or examination report corresponding to _____ application serial no. _____ and mailed on _____.
- ☐ Enclosed is a copy of a non-English publication(s) _____. Pursuant to §609 of the M.P.E.P., Applicant submits the attached foreign search or examination report, which cites such non-English language publication(s).
- ☐ Enclosed is a copy of a non-English publication(s) _____. English language publication _____ (copy enclosed) claims priority from this non-English publication.

- ☐ Enclosed is an explanation of non-English publication(s) _____ for which an English translation is not available.
- ☐ Enclosed is an English translation of non-English publication(s) _____ cited in the attached Form PTO/SB/08A.
- ☐ Enclosed is a copy of pending patent Application Serial No. _____.

This Information Disclosure Statement is filed within any one of the following time periods:

- ☐ within three months from the filing date of this national application other than a CPA under 37 C.F.R. § 1.53(d);
- ☐ within three months from the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in this international application;
- ☐ before the mailing date of a first office action on the merits; or
- ☒ before the mailing of a first office action after the filing of a request for continued examination under 37 C.F.R. § 1.114.

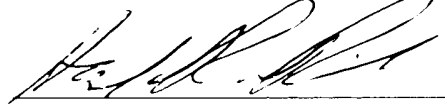
It is respectfully requested that the Examiner consider the above-noted information and return an initialed copy of the attached Form PTO/SB/08A to the undersigned.

Dated: June 25, 2003

EDELL, SHAPIRO & FINNAN, LLC
CUSTOMER NO. 27896
1901 Research Boulevard, Suite 400
Rockville, MD 20850
(301) 424-3640

Respectfully submitted by
EDELL, SHAPIRO & FINNAN, LLC

By:


Howard R. Richman
Reg. No. 41,451

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

August 16, 2001

First Named Inventor	Linlin Chen et al.
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Group Art Unit	1743
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Examiner Name	Unknown
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Attorney Docket Number	1921.0014C
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Sheet	1	of	3
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Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
		3,878,066		Dettke et al.	04-15-1975
		3,904,493		Losi et al.	09-09-1975
		4,055,751		Bussman et al.	10-25-1977
		4,090,926		Matson	05-23-1978
		4,132,605		Tench et al.	01-02-1979
		4,146,437		O'Keefe	03-27-1979
		4,917,774		Fisher	04-17-1990
		4,948,473		Phillippi	08-14-1990
		5,192,403		Chang et al.	03-09-1993
		5,196,096		Chang et al.	03-23-1993
		5,223,118		Sonnenberg et al.	06-29-1993
		5,234,573		Takami	08-10-1993
		5,364,510		Carpio	11-15-1994
		5,389,215		Horiuchi et al.	02-14-1995
		5,391,271		Ludwig	02-21-1995
		5,484,626		Storjohann et al.	01-16-1996
		5,534,128		Aso et al.	07-09-1996
		6,365,033	B1	Graham et al.	04-02-2002
		5,484,626		Storjohann et al.	

[illegible]Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[†] Unique citation designation number.

⁵ See attached Kinds of U.S. Patent Documents.

Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

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JUN 25 2003

PTO SB 08A (08-00)

Substitute for form 1449A PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known	
		Application Number	09 931,268
		Filing Date	August 16, 2001
		First Named Inventor	L.W. Graham, et al.
		Group Art Unit	1743
		Examiner Name	Unknown
		Attorney Docket Number	1921.0014C
Sheet	2	of	3

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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
		5,007,990		Bladon	04-16-1991
		4,952,286		Bladon et al.	08-28-1990
		4,917,777		Fisher	04-17-1990
		4,895,739		Bladon	01-23-1990
		4,541,902		Kinoshita et al.	09-17-1985
		4,324,589		Gulla et al.	04-13-1982
		4,229,218		Gulla et al.	10-21-1980
		4,834,842		Langner et al.	05-30-1989
		6,471,845	B1	Dukovic et al.	10-29-2002
		5,368,715		Hurley et al.	11-29-1994
		6,113,769		Uzoh et al.	09-05-2000
		6,254,760	B1	Shen et al.	07-03-2001
		6,280,602	B1	Robertson	08-28-2001
		3,649,509		Morawetz et al.	07-08-1969
		4,326,940		Eckles et al.	04-27-1982
		4,886,590		Tittle	12-12-1989
		6,551,479	B1	Graham et al.	04-22-2003

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)			

Examiner Signature		Date Considered	
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Substitute for form 1449B PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				<i>Complete if Known</i>		
				Application Number	09 931,268	
				Filing Date	August 16, 2001	
				First Named Inventor	Linlin Chen et al	
				Group Art Unit	1743	
Examiner Name	Unknown					
Sheet	3	of	3	Attorney Docket Number	1921.0014C	

OTHER DOCUMENTS – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and or country where published.	F ²
		Z. SUN ET AL., <i>Optimized Bath Control for Void-Free Copper Deposition</i> , Solid State Technology, pp. 1-10, November 2001.	
		DENNIS TENCH and JOHN WHITE, <i>Cyclic Pulse Voltammetric Stripping Analysis of Acid Copper Plating Baths</i> , Journal of the Electromechanical Society, Vol. 132, No. 4, pp. 831-834, April 1985.	
		HOBART H. WILLARD, et al., <i>Instrumental Methods of Analysis</i> , Fifth Edition, D. Van Nostrand Company, New York, N.Y., pp. 647-656, 1974.	
		FREDERICK A. LOWENHEIM, <i>Electroplating</i> , McGraw-Hill Book Company, pp. 120 & 121, 1979.	

Examiner Signature		Date Considered	
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